

III. ABSTRACT

~~The invention relates to a~~ A method for transmitting an encryption number in a communication system ~~(1)~~ comprising mobile terminals ~~(MT1-MT4)~~ and at least a first access point ~~(AP1)~~ and a second access point ~~(AP2)~~. The method features ~~comprises the steps of~~ defining a set of encryption keys, selecting at each said access point ~~(AP1, AP2)~~ from said the set of encryption keys one to be used at a time for encrypting information to be transmitted between the said access point ~~(AP1, AP2)~~ and a mobile terminal ~~(MT1-MT4)~~, transmitting from the access point ~~(AP1, AP2)~~, at intervals, data about the encryption key selected at the time, setting up a data transmission connection between a mobile terminal ~~(MT1-MT4)~~ and the first access point ~~(AP1)~~ for the transmission of information, and performing a handover, whereby a data transmission connection is set up between the second access point ~~(AP2)~~ and the mobile terminal ~~(MT1-MT4)~~. ~~In the method, a~~ A ~~handover is performed, wherein a data transmission connection is set up between the second access point (AP2) and the mobile terminal (MT1-MT4). In the method, in connection with the handover, information is also transmitted to the mobile terminal (MT1-MT4) about the encryption key selected at the second access point (AP2).~~

Fig. 4